This Class 526 is considered to be an integral part of Class 520 (see the Class 520 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 520

SYNTHETIC RESINS (CLASS 520, SUBCLASS 1)

59 .EFFECTING A CHANGE IN A POLYMERIZATION PROCESS IN RESPONSE TO A MEASUREMENT OR TEST

60 ..Change responsive to composition property other than density

61 ..Change responsive to pressure or temperature

62 .POLYMERIZING IN REACTOR OF SPECIFIED MATERIAL, OR IN REACTOR IN WHICH SURFACE CONTACTING POLYMERIZING MATERIAL HAS BEEN TREATED

63 .POLYMERIZING IN PRESENCE OF INERT SOLID MASSES SO AS TO HEAT, COOL, OR GRIND POLYMERIZING MASS

64 .POLYMERIZING IN TUBULAR OR LOOP REACTOR

65 .POLYMERIZING IN TWO OR MORE PHYSICALLY DISTINCT ZONES

66 ..Adding material to polymerization zone in an incremental or sequential manner

67 .REMOVING AND RECYCLING REMOVED MATERIAL FROM AN ONGOING POLYMERIZATION ZONE TO A POLYMERIZATION ZONE

68 ..Recycling monomer

69 ..Recycling catalyst

70 ..Recycling diluent

71 .REMOVING ONLY NONPOLYMERIZED OR NONPOLYMERIZABLE MATERIAL DURING POLYMERIZATION PROCESS

72 .POLYMERS FROM ONLY ETHYLENIC MONOMERS OR PROCESSES OF POLYMERIZING, POLYMERIZABLE COMPOSITIONS CONTAINING ONLY ETHYLENIC MONOMERS AS REACTANTS OR PROCESSES OF PREPARING

73 ..Polymerization involving two or more specified temperature or pressure conditions

74 ..Utilizing material during polymerization to prevent or remove reactor buildup, e.g., fouling, clogging, etc.

75 ..Including step of synthesis of monomer or pre-polymer

76 ...Polymerizable material derived from petroleum fraction

77 ..Including step of purifying monomer

78 ..Adding material to an on-going polymerization reaction, said addition being other than the continuous addition of the initial charge

79 ...Adding in an incremental or sequential manner

80 ....Polymerizing in the presence of water

81 .....Added material is other than monomer per se, or composition containing monomer

82 ...Adding polymerization inhibitor or terminator, e.g., short-stopper, etc.

83 ....Added material contains nitrogen compound

84 ....Added material contains oxygen compound

85 ....Added material contains sulfur atom

86 ...Adding catalyst or catalyst component

87 ...Adding monomer

88 ..Polymerization involving specified mixing, stirring, agitating, or movement of material

89 ..Polymerizing in the presence of a specified material other than monomer

90 ...Material contains transition metal or compound thereof

91 ....In presence of water

92 .....Carbon-metal bond
93 .....Group VIII transition metal (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
94 ......With organo-sulfur compound or organic-transition metal compound containing sulfur atom
95 ....Material contains transition metal oxide (other than peroxide)
96 .....Contains elemental transition metal or a non-oxide compound of a transition metal
97 ......Contains non-transition elemental metal, hydride thereof, or carbon to non-transition metal atom bond
98 .....Contains non-metallic halogen-containing material
99 .....Contains compound containing aluminum to halogen bond and wherein the same aluminum atom is not bonded to a hydrogen or carbon atom
100 .....Contains non-metal organic N, O, S or P containing compound
101 .....Two or more transition metal oxides, at least two of said oxides being other than oxides of Ti, Zr, Hf, or Th
102 .....Contains non-transition heavy metal or compound thereof
103 .....Group VIII metal oxide (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
104 .....Group VIB metal oxide (Cr, Mo, W)
105 ......Contains non-transition elemental metal, hydride thereof, or nontransition metal to carbon atom bond
106 ......Metal oxide is of chromium
107 .....Group IVB metal oxide (Ti, Zr, Hf)
108 ....Contains one or more elemental transition metal atoms
109 .....With peroxy compound (-O-O-)
110 .....With non-transition elemental metal, hydride thereof, or carbon to non transition metal atom bond
111 ......With non-metal P, S, O, or N containing material
112 .....With transition metal compound
113 ....Two or more diverse transition metal atoms in distinct compounds or in the same compound
114 .....Contains non-transition elemental metal, hydride thereof, or carbon to non transition metal atom bond
115 ......Contains Group VIII metal atom (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
116 ......At least one Group IVB metal atom (Ti, Zr, Hf) and at least one Group VB meta l (V, Nb, Ta)
117 .....Contains Group VIII metal atom (Fe, Co, Ni, Ru, Rh, Pd, Os, Ir, Pt)
118 ....Material contains two or more different compounds of same transition metal
119 .....Contains non-transition elemental metal, hydride thereof, or carbon to non-transition metal atom bond
120 ....Material contains compound of non-transition heavy metal wherein non-transition heavy metal is not bonded to hydrogen or carbon
121 .....Contains non-transition elemental metal, hydride thereof, or carbon to non-transition metal atom bond
122 ......Nontransition heavy metal compound is halogen-containing
123.1 ....Material contains compound of Group IA (Li, Na, K, Rb, Cs, Fr) or Group IIA (Be, Mg, Ca, Sr, Ba, Ra) metal wherein IA or IIA metal is not bonded to hydrogen or to carbon
124.1 .....Contains nontransition elemental metal, hydride thereof, or carbon to non-transition metal atom bond

124.2 ......Contains a magnesium compound as the Group IIA metal compound
124.3 ....Contains at least one additional specified material
124.4 ....Contains two or more magnesium compounds having no H to magnesium or C to magnesium bonds or at least one additional said Group IA or IIA compound
124.5 ....Contains Si or Al inorganic oxygen-containing compound
124.6 ....Contains organic non-metal containing B, Si, N, P, or chalcogen material
124.7 ....Contains at least two non-transition elemental metals, hydrides thereof, or compounds containing carbon to non-transition metal atom bond, or mixtures thereof
124.8 ....Contains organic non-metal containing B, Si, N, P, or chalcogen material
124.9 ....Contains organic non-metal containing B, Si, N, P, or chalcogen material
125.1 ....Contains organic Al compound containing no H to aluminum or C to aluminum bonds
125.2 ....Contains compound containing only C, H and halogen atoms or only C and halogen atoms
125.3 ....Contains organic non-metal containing B or Si material
125.4 ....Contains at least one inorganic material having no H to metal bonds
125.5 ....At least one of said inorganic materials is an Al halide
125.6 ....Contains at least two organic non-metal containing N, P, or chalcogen materials
125.7 ....Contains compound containing only C, H and halogen atoms or only C and halogen atoms
125.8 ....Contains at least one inorganic material having no H to metal bonds
126 ....Material contains silicon atom
127 .....Contains non-transition free metal, hydride thereof, or carbon to non-transition metal atom bond
128 ......Silicon present in organic non-metal compound
129 ......Silicon present in inorganic oxygen-containing compound
130 .....Silicon present in inorganic oxygen-containing compound
131 ....Material contains boron atom
132 .....Contains non-transition elemental metal, hydride thereof, or carbon to non transition metal atom bond
133 ......Boron compound is halogen-containing
134 .....Boron compound contains boron bonded to hydrogen or to carbon atom
135 ....With non-metal N, P, O, S, Se, Te, or halogen material other than nitrogen gas
136 .....Contains non-transition elemental metal, hydride thereof, or carbon to non transition metal atom bond
137 ......Non-metal material is inorganic halogen-containing material
138 ......Non-metal material is inorganic oxygen-containing material
139 ......Non-metal material is organic phosphorus-containing compound
140 ......Non-metal material is organic sulfur-containing compound
141 ......Non-metal material is organic nitrogen-containing compound
142 ......Non-metal material is organic oxygen-containing compound
143 ....Non-metal organic oxygen compound is halogen-containing
144 ......Non-metal material is organic halogen-containing compound
145 .....Non-metal phosphorus-containing material

146 .....Non-metal sulfur-containing material
147 .....Non-metal nitrogen-containing material
148 ....Contains two or more diverse non-transition elemental metals, different non-transition hydride compounds, different carbon to non transition metal compounds, or mixture thereof
149 .....At least one atom of As, Sb, or Bi, in elemental form or bonded to hydrogen or carbon atom
150 .....At least one atom of Ge, Sn, or Pb in elemental form or bonded to hydrogen or carbon atom
151 .....At least one atom of Group IIIA metal (Al, Ga, In, Tl) in elemental form or bonded to hydrogen or carbon atom
152 ......At least one atom of Group IA metal (Li, Na, K, Rb, Cs, Fr) in elemental form or bonded to hydrogen or carbon atom
153 ......Two or more Group IIIA metals in elemental form or bonded to hydrogen or carbon atom
154 ....Material contains aluminum compound wherein aluminum atom is not bonded to hydrogen or carbon atom
155 .....Contains non-transition elemental metal, hydride thereof or carbon to non transition metal atom bond
156 ......Inorganic oxygen containing aluminum compound
157 ......Aluminum trihalide
158 ....With Group IVB transition metal compound (Ti, Zr, Hf)
159 ....Material contains non-transition elemental metal, hydride thereof, or carbon to non-transition metal atom bond
160 .....Transition metal bonded to carbon atom
161 .....Transition metal compound contains P, S, or N atom
162 .....Non-transition metal is bonded to carbon atom in compound which contains ethylenic unsaturation
163 .....Non-transition metal hydride or carbon to non-transition metal metal atom bond compound contains P, S, or N atom
164 .....Transition metal is IB, IIIB, VIIB or atomic number 58-71, 88, 90 or higher
165 .....Non-transition metal to carbon atom bond compound contains at least two atoms of same or different non-transition metal
166 .....Group IVA (Ge, Sn, Pb) or Group VA (As, Sb, Bi) metal is bonded to hydrogen or carbon atom
167 .....Elemental non-transition metal atom
168 .....Elemental carbon
169 .....Transition metal is Group VB, VIB or VIII metal
169.1 ......Transition metal is Group VIII
169.2 ......Transition metal is vanadium
169.3 .....At least one monomer is nonhydrocarbon material
170 ....Transition metal bonded to carbon atom
171 .....Transition metal is Group VIII (Fe, Co, Ni, Ru, Ph, Pd, Os, Ir, Pt)
172 ....Transition metal compound has at least one atom of P, S, N or O therein
173 ...Material contains elemental alkali metal, hydride thereof, or alkali metal to carbon atom bond (Li, Na, K, Rb, Cs, Fr)
174 ....Contains at least two diverse alkali metal atoms, at least one of which is in the form of a free alkali metal, or in the form of a hydride, or has an alkali metal to carbon atom bond

175 ....Contains two or more separate chemical entities containing atoms of the same alkali metal, with at least one atom in elemental form, or in the form of a hydride, or has an alkali metal to carbon atom bond
176 ....Contains heavy metal atom
177 ....Contains aluminum atom
178 ....Contains boron or silicon atom
179 ....Contains phosphorus atom
180 ....Contains compound of nitrogen
181 ....Contains oxygen atom
182 ....Contains halogen atom
183 ...Material contains metal atom bonded to a carbon atom
184 ....With free oxygen or peroxy compound (-O-O-)
185 ....Metal bonded to carbon is aluminum
186 .....Contains aluminum not bonded to carbon
187 .....Contains Group IA or IIA atom
188 .....Contains heavy metal atom
189 .....Contains P, N, S, or O atom
190 ....Metal bonded to carbon atom is a heavy metal atom
191 ...Material contains elemental metal
192 ...Material contains a heavy metal atom containing organic compound
193 ...Material contains organic compound having a phosphorus atom
194 ...Material contains Si, Te, Se, or Group VIIIA atom, e.g., He, Ne, etc.
195 ...Material contains boron compound other than boron trihalide or non-metal organic complex of boron trihalide
196 ....Boron bonded to hydrogen or carbon atom compound
197 .....With free oxygen or peroxy compound
198 .....Contains P, S, or N atom other than as elemental nitrogen
199 ...Material contains polypeptide, e.g., protein, gelatin, etc.
200 ...Material contains carbohydrate, e.g., starch, sugar, etc.
201 ...Material contains previously formed normally solid polymer which is distinct from polymer to be formed and is a polymer formed from at least one ethylenic monomer
202 ....Normally solid polymer contains free alcohol group or alcoholate thereof
203 ....Normally solid polymer is formed from ethylenically unsaturated dicarboxylic acid, ester, salt, or anhydride thereof
204 ...Material contains heterocyclic compound
205 ....Sulfur and nitrogen together in a single ring
206 ...Material contains halogenated hydrocarbon wherein at least one halogen atom is other than chlorine, and mixtures of water and a halogenated hydrocarbon one ethylenic monomer
207 ...Material contains water and a hydrocarbon
208 ...Material contains aldehyde or ketone or polymeric reaction product thereof, e.g., urea-formaldehyde, etc.
209 ...Material contains ether
210 ...Material contains alcohol or alcoholate
211 ....Alcohol or alcoholate has at least one atom of nitrogen or sulfur chemically combined therewith
212 ....Alcohol contains a single hydroxy group or is alcoholate thereof
213 ...Material contains carboxylic acid, salt, ester, or anhydride thereof
214 ....Derived from carboxylic acid containing at least one atom of halogen or sulfur
215 ....Derived from carboxylic acid containing at least one atom of nitrogen
216 ....Derived from aliphatic acid
217 ...Material contains organic nitrogen compound

218.1 ....Organic compound contains N=N or N-N group
219 .....Organic N-N or N=N containing compound also contains at least one S or O chemically bound therein
219.1 .....Organic N=N or N-N group containing compound contains carbocyclic group or element other than C,H, or N
219.2 .....N=N or N-N group-containing compound is a catalyst admixed with at least one other catalyst, co-catalyst, or accelerator, e.g., redox catalyst, etc.
219.3 .....Contains specified ingredient other than the N=N or N-N group containing compound, or water, or defined hydrocarbon or defined halogenated hydrocarbon
219.4 ......Ingredient contains halogenated hydrocarbon
219.5 ......Ingredient contains water, e.g., an emulsion, dispersion, etc.
219.6 .....Azobisisobutyronitrile (AIBN)
220 ....Organic nitrogen compound contains at least one S or O atom chemically bound therein
221 ...Material contains inorganic heavy metal compound
222 ...Material contains organic sulfur compound
223 ....Organic sulfur compound contains -S-S- or -O-O-group
224 ....Mercaptan
225 ....Organic compound contains hexavalent S atom, e.g., organosulfate, sulfonate, etc.
226 ...Material contains aluminum compound other than aluminum trihalide or nonmetallic organic complex of aluminum trihalide
227 ...Material contains peroxy group compound (-O-O-)
228 ....Two or more peroxide compounds
229 ....Inorganic peroxide, e.g., persulfate, hydrogen peroxide, etc.
229.5 .....Nitrogen- or halogen-containing inorganic -0-0- compound free of sulfur, or wherein an -0-0- compound is in admixture with a compound devoid of sulfur and containing a N, halogen or P atom
230 ....Hydroperoxide
230.5 ....Peroxy carbonate
231 ....Peroxide contains halogen atom chemically combined therein
232 ....Peroxide contains an aryl group
232.1 .....Benzoyl peroxide
232.3 ....Two or more peroxy groups in same compound
232.5 ....Cycloaliphatic or ethylenically unsaturated peroxy-containing compound
233 ...Material contains elemental phosphorus or inorganic phosphorus compound
234 ...Material contains sulfur or inorganic sulfur compound
235 ...Material contains free oxygen, air, or ozone
236 ...Material contains nitrogen compound
237 ...Material contains metal halide, boron halide or organic complexes thereof, hydrogen halide, elemental halogen, or compound containing only halogen atoms
238 ....At least one monomer is nonhydrocarbon material
238.1 ..From protein or biologically active polypeptide containing monomer
238.2 ..From carbohydrate, tannin, or derivative containing monomer
238.21 ...Cellulose or derivative containing monomer
238.22 ...Starch or derivative containing monomer, e.g., starch-acrylamide, etc.
238.23 ...Mono- or di-saccharide containing monomer, e.g., allyl sucrose, etc.
238.3 ..From natural resin or derivative containing monomer
239 ..From boron containing monomer
240 ..From metal containing monomer

241 ...Transition metal containing
242 ..From fluorine containing monomer
243 ...Fluorine-containing monomer contains a sulfur atom
244 ...Fluorine-containing monomer is a ketone or aldehyde
245 ...Fluorine containing monomer is a mono-carboxylic acid ester
246 ....Alcohol derived portion of ester contains ether group
247 ...Fluorine containing monomer is an ether
248 ...Fluorine containing monomer contains nitrogen atom
249 ...Fluorine containing monomer contains at least one diverse halogen atom
250 ...Fluorine containing monomer contains F, C and H only or F and C only
251 ....Aromatic
252 ....Fluorine compound contains two or more ethylenic groups
253 ....Five or more fluorine atoms
254 .....Contains only carbon and fluorine atoms
255 ....Two or more fluorine atoms, e.g., vinylidene fluoride, etc.
256 ..From monomer containing sulfur atom as part of a heterocyclic ring
257 ...Sulfur-containing ring contains additional hetero atom, i.e., N, O, Se, Te
258 ..From monomer containing nitrogen atom as part of a heterocyclic ring
259 ...Nitrogen atom is part of a bridged or fused ring system
260 ...5- or 6-membered nitrogen ring compound having at least one oxygen in the ring
261 ...Three or more nitrogen atoms in a single ring
262 ...Imide monomer
263 ...Nitrogen of ring is bonded directly or indirectly to extracyclic ethylenic moiety
264 ....Lactam monomer
265 ...6-membered ring contains a single nitrogen atom
266 ..From monomer containing oxygen as part of a heterocyclic ring
267 ...Polymer contains coumarone and indene
268 ...From cyclic ether which is bridged or fused to a ring system
269 ...Hetero-oxygen ring compound contains a carbonate group, i.e., -O-C(=O)-O as ring atoms
270 ...5-membered heterocyclic ring compound contains at least one oxygen atom
271 ....Acid anhydride
272 .....Interpolymerized with hydrocarbon monomer
273 ...3-membered heterocyclic ring contains at least one oxygen atom
274 ..From monomer containing a phosphorus atom
275 ...Phosphorus is part of a ring
276 ...Phosphorus is bonded to a nitrogen atom
277 ...Phosphorus atom is pentavalent
278 ....Pentavalent phosphorus is bonded to at least one atom of carbon
279 ..From monomer containing a silicon atom
280 ..From fused or bridged ring containing monomer
281 ...Bridged monomer
282 ....Contains an exterior ethylenic substituent bonded to a single carbon atom of the bridged ring system
283 ....Compound containing dicyclopentadiene moiety
284 ...Contains an exterior ethylenic substituent bonded directly or indirectly to a single carbon atom of the fused ring system
285 ..From monomer containing an acetylenic group
286 ..From S-containing monomer
287 ...From monomer containing three or more oxygen atoms bonded to a single sulfur atom, e.g., sulfonate, etc.
288 ...From sulfur monomer containing nitrogen atom
289 ...From sulfide-containing monomer

290 ..Monomer from unsaturated petroleum hydrocarbon fraction; from unsaturated coal or bituminous material, extract, or derivative thereof; or from unsaturated fatty still residue
291 ..From halogen containing monomer having at least three carbon atoms
292.1 ...Halogen monomer is carboxylic acid ester
292.2 ....Contains nitrogen
292.3 ....Contains oxygen other than as part of a carboxylic acid ester group
292.4 ....Contains two or more carboxylic acid ester groups
292.5 ....Contains carbocyclic ring, e.g., aryl, etc.
292.6 ....Interpolymerized with a monomer containing atom other than carbon, hydrogen, or halogen
292.7 ....Interpolymerized
292.8 ...Halogen monomer is nitrile
292.9 ...Halogen monomer contains an ether group
292.95 ...Halogen monomer contains a carboxylic acid, salt, or carboxylic acid amide
293 ...Aromatic
294 ...Plural halogen atom
295 ...Plural ethylenic groups
296 ..From bromine or iodine containing monomer, dichloroethylene, trichloroethylene or tetrachloroethylene
297 ..From nitrile group containing monomer other than acrylonitrile or methacrylonitrile
298 ...Contains non-nitrile nitrogen atom or contains an oxygen atom
299 ...Aromatic
300 ...Plural nitrile group-containing
301 ..From monomer containing a >N-C(=O)-O- group, e.g., carbamic acid, etc.
302 ..From monomer containing a >>N-C(=O)-N<< or >>N-C(-O)-N<< group e.g., urea, isoureau, etc.
303.1 ..From carboxylic acid amide-containing monomer
304 ...Contains oxygen atom other than in amide form bonded to a carbon atom
305 ...Cycloaliphatic or aromatic
306 ...Plural amide group containing
307 ...Non-amide nitrogen containing
307.1 ...N- substituted unsaturated hydrocarbon group
307.2 ...With monomer containing carboxylic acid amide group
307.3 ...With monomer containing nitrogen other than (meth)-acrylonitrile
307.4 ...With monomer containing oxygen
307.5 ....Oxygen atom is part of ether or hydroxyl group
307.6 ....Oxygen atom is part of carboxylic acid group
307.7 ....Oxygen atom is part of ester group derived from unsaturated carboxylic acid
307.8 ...With hydrocarbon monomer
308 ..From cycloaliphatic monomer
309 ...Contains atoms other than carbon and hydrogen
310 ..From nitrogen containing monomer other than acrylonitrile or methacrylonitrile
311 ...Nitrogen bonded to oxygen atom (including nitrogen containing salts)
312 ...Contains oxygen atom bonded to a carbon atom
313 ..From phenol, phenol ether, or inorganic phenolate monomer
314 ..From monomer containing a carbonate group, i.e., -O-C(=O)-O-
315 ..From aldehyde monomer
316 ..From ketone or ketene monomer
317.1 ..From carboxylic acid monomer
318 ...Carboxylic acid contains ester group
318.1 ...Carboxylic acid contains aryl group, or two or more ethylenic groups
318.2 ...Carboxylic acid contains two or more carboxyl groups

318.25 ....With hydrocarbon, vinyl chloride or vinylidene chloride monomer
318.3 ...Carboxylic acid other than acrylic or methacrylic acid
318.4 ...With ester monomer
318.41 ....Monomer contains chalcogen other than in C(=O)-O-chalcogen in any monomer)
318.42 .....Hydroxyl group
318.43 ....Monomer contains two or more ester groups
318.44 ....Two or more ester monomers
318.45 ....With hydrocarbon monomer
318.5 ...With chalcogen containing monomer, e.g., additional carboxyl monomer, etc.
318.6 ...With hydrocarbon monomer
319 ..From carboxylic acid ester monomer
320 ...Ether or hydroxy containing
321 ...Monomer containing at least two carboxylic acid ester groups
322 ....Derived from an ethylenically unsaturated alcohol
323 .....Derived from an ethylenically unsaturated acid containing plural carboxylic acid groups
323.1 ....Diester derived from an ethylenically unsaturated monocarboxylic acid and polyol
323.2 .....With additional monomer
324 ....Interpolymerized with hydrocarbon monomer
325 ....Interpolymerized with monomer of diverse carboxylic ester
326 ...Aromatic
327 ...Derived from an ethylenically unsaturated carboxylic acid and an ethylenically unsaturated alcohol
328 ...Derived from an ethylenically unsaturated carboxylic acid
328.5 ....With additional monomer
329 .....Interpolymerized with hydrocarbon monomer
329.1 ......Hydrocarbon monomer containing at least two ethylenic groups, e.g., butadiene, etc.
329.2 ......Aromatic, e.g., styrene, etc.
329.3 .....Additional monomer is acrylonitrile or methacrylonitrile
329.4 .....Additional monomer is a halogen-containing monomer
329.5 .....Additional monomer is an ester derived from saturated carboxylic acid
329.6 .....Additional monomer contains an ether group
329.7 ....Polymer derived from methyl acrylate or methyl methacrylate
330 ...Interpolymer of an ester derived from ethylenically unsaturated alcohol, e.g., interpolymer of vinyl acetate, etc.
331 ....Interpolymerized with hydrocarbon monomer
332 ..From monomer containing an ether group
333 ...Plural ether groups
334 ...Aromatic or plural ethylenic groups
335 ..From hydrocarbon monomer containing at least two ethylenic groups, e.g., butadiene, etc.
336 ...Ethylenic groups are non-conjugated, e.g., divinylbenzene, etc.
337 ...Interpolymerized with at least one diverse hydrocarbon monomer containing at least two ethylenic groups
338 ...Interpolymerized with non-hydrocarbon monomer
339 ...Interpolymerized with aliphatic hydrocarbon
340 ...Interpolymerized with aromatic hydrocarbon
340.1 ...Polymerized in the presence of a water medium
340.2 ...From hydrocarbon having only five carbon atoms
340.3 ...From hydrocarbon having at least six carbon atoms
340.4 ...Butadiene homopolymer contains at least 75% cis-1,4-configuration
341 ..From acrylonitrile or methacrylonitrile
342 ...Interpolymerized
343 ..From vinylidene chloride

344 ..From vinyl chloride
344.1 ...Bulk or mass polymerization of vinyl chloride only
344.2 ...Polymerization of vinyl chloride only in an aqueous medium
344.3 ...Polyvinyl chloride characterized by physical shape, e.g., fiber, sheet, etc.
345 ...Interpolymerized
346 ..From aromatic hydrocarbon
347 ...Interpolymerized
347.1 ...Monomer other than styrene
347.2 ...Crystalline polystyrene
348 ..From hydrocarbon
348.1 ...Stretched product
348.2 ...At least six carbon atoms
348.3 ....Ten or more carbon atoms
348.4 ....Six carbon atoms only
348.5 .....N-hexene
348.6 ...At least four carbon atoms
348.7 ....Isobutylene
348.8 ...With nonhydrocarbon monomer
351 ...From propylene only
352 ...From ethylene only
352.2 ....Low density

CROSS-REFERENCE ART COLLECTIONS

901 **MONOMER POLYMERIZED IN VAPOR STATE IN PRESENCE OF TRANSITION METAL CONTAINING CATALYST**
902 **MONOMER POLYMERIZED IN BULK IN PRESENCE OF TRANSITION METAL CONTAINING CATALYST**
903 **MONOMER POLYMERIZED IN PRESENCE OF TRANSITION METAL CONTAINING CATALYST AND HYDROCARBON ADDITIVE AFFECTING POLYMER PROPERTIES OF CATALYST ACTIVITY**
904 **MONOMER POLYMERIZED IN PRESENCE OF TRANSITION METAL CONTAINING CATALYST AT LEAST PART OF WHICH IS SUPPORTED ON A POLYMER; E.G., PREPOLYMERIZED CATALYSTS, ETC.**
905 **POLYMERIZATION IN PRESENCE OF TRANSITION METAL CONTAINING CATALYST IN PRESENCE OF HYDROGEN**
906 **COMMINUTION OF TRANSITION METAL CONTAINING CATALYST**
907 **SPECIFIED MEANS OF REACTING COMPONENTS OF TRANSITION METAL CATALYST**
908 **CONTAINING CATALYST OF SPECIFIED PARTICLE SIZE**
909 **POLYMERIZATION CHARACTERIZED BY PARTICLE SIZE OF PRODUCT**
910 **SUSPENDING AGENTS**
911 **EMULSIFYING AGENTS**
912 **REACTION MEDIUM PURIFICATION**
913 **VAPOR PHASE POLYMERIZATION IN ABSENCE OF TRANSITION METAL CONTAINING CATALYST**
914 **POLYMER DEGRADATION**
915 **REDOX CATALYST**
916 **INTERPOLYMER FROM AT LEAST THREE ETHYLENICALLY UNSATURATED MONOOLEFINIC HYDROCARBON MONOMERS**
917 **MANIPULATIVE PROCESSES INVOLVING A SULFUR-CONTAINING TREATING AGENT**
918 **POLYMERIZATION REACTORS FOR ADDITION POLYMER PREPARATION**
919 **CATALYST INJECTION TECHNIQUE IN ADDITION POLYMERIZATION PROCESSES**
920 **APPARATUS FOR USE IN ADDITION POLYMERIZATION PROCESSES**
921 **TIME CYCLE USED IN ADDITION POLYMERIZATION PROCESS CONTROL**
922 **POLYMERIZATION PROCESS OF ETHYLENIC MONOMERS USING MANIPULATIVE TECHNIQUE**
923 **ETHYLENIC MONOMERS CONTAINING AT LEAST ONE SALT GROUP**
930 **WATER SWELLABLE OR HYDROPHILIC**
931 **PRESSURE SENSITIVE ADHESIVE**
932 **THICKENER OR DISPERSANT FOR AQUEOUS SYSTEM**
933 **DETERGENT PROPERTY OR LUBRICANT ADDITIVE**
934 **ELECTRODEPOSIT, E.G., ELECTROPHORETIC, XEROGRAPHIC, ETC.**
935 **HOT MELT ADHESIVE**
936 **PHYSIOLOGICAL USE, E.G., PHARMACEUTICAL, VETERINARY, DENTAL, ETC.**
937 **OPTICAL CLARITY**
938 **RUBBERY PROPERTY**
939 **MOSITURE PROOF OR HYDROPHOBIC**

940 **HIGH SOFTENING TEMPERATURE, E.G., EXPOSURE TO BOILING WATER, BOILABLE, ETC.**

941 **HAVING THE TRANSITION METAL BONDED DIRECTLY TO CARBON**

942 **POLYMERIZATION IN THE PRESENCE OF A LIQUID CO2 DILUENT**

943 **POLYMERIZATION WITH METALLOCENE CATALYSTS**

FOREIGN ART COLLECTIONS

FOR 000 **CLASS-RELATED FOREIGN DOCUMENTS**